nol-terminated dimethylpolysiloxane (viscosity =12,000 centipoise), 0.7 parts 3-methyl-1-butyne-3-ol, and chloroplatinic acid/tetramethyldivinyls complex at 120 ppm as platinum.

Another organopolysiloxane composition (sample 11) was prepared as above, but changing the blending quantity of the dimethylpolysiloxane in sample 10 to 40 parts.

For comparison, an organopolysiloxane composition (comparison 8) was prepared as above, but changing the blending quantity of the dimethylpolysiloxane in sample 10 to 1 part. An organopolysiloxane composition (comparison 9) was also prepared by similarly changing the blending quantity of the dimethylpolysiloxane to 150 parts. Finally, an organopolysiloxane composition (comparison 10) was prepared as above, but using a dimethylvinylsiloxy-terminated dimethylsiloxane-methylvinylsiloxane copolymer (viscosity =800 centipoise, vinyl group content =2.6 mole%) in place of the dimethylsiloxane-methylhexenylsiloxane copolymer of sample 10.

The compositions thus obtained were respectively coated at 0.9 g/m^2 on mirror-finished polyethylene-laminated kraft paper. The curing index at 90 degrees Centigrade was measured, as were the peeling resistance and residual adhesion on the cured films obtained by heating at 90 degrees Centigrad for 20 seconds. These results are reported in Table 5.

The pot life of the compositions was excellent in each case: almost no increase in viscosity was observed after 1 day.

TABLE 5

Composition	Curing time at 90° C. (seconds)	Peeling resistance, g/5 cm. BPS 5127 1 day	BPS 5127 10 days	BPS 2411 1 day	BPS 2411 10 days	Residual adhesion (%)
sample 10	14	17	19	16	18	94
sample 11	16	14	15	13	12	93
comparison 8	14	25	28	29	28	96
comparison 9	21	11	10	10	14	42
comparison 10	64	24	79	81	147	33

EFFECTS OF THE INVENTION

The present invention's release film-forming organopolysiloxane composition is characterized by a rapid curing rate at low temperatures no higher than 100 degrees Centigrade and by the development upon curing of a release film having particularly good release properties.

That which is claimed is:

1. An organopolysiloxane composition for the formation of a release film, said composition consisting essentially of

(A) 100 weight parts organopolysiloxane which contains in each molecule at least two higher alkenyl groups as represented by the general formula

$$H_2C{=}CH(CH_2{-})_a$$

wherein the subscript a has a value of from 2 to 8,

(B) 0.3 to 40 weight parts organohydrogenpolysiloxane having at least two silicon-bonded hydrogen atoms in each molecule,

(C) 4 to 100 weight parts organopolysiloxane having the average formula $R^1_dSiO_{(4-d)/2}$ whose molecule may contain small quantities of the hydroxyl group or alkoxy groups but does not contain silicon-bonded alkenyl groups or silicon-bonded hydrogen atoms, wherein R^1 is a substituted or unsubstituted monovalent hydrocarbon group free of an alkenyl moiety and the subscript d has a vaule of from 1.95 to 2.05,

(D) addition-reaction inhibitor in an effective amount, and

(E) a platinum group metal-containing compound in a catalytic quantity.

2. An organopolysiloxane composition according to claim 1 wherein the value of the subscript a is 3 to 8, both inclusive.

3. An organopolysiloxane composition according to claim 2 wherein the component (A) has a plasticity number of at least 100 and component (C) has a viscosity of at least 1,000 centipoise at 25° C.

4. An organopolysiloxane composition according to claim 3 wherein at least 70mole% of the organic groups of component (A) and of component (C) are the methyl group.

5. An organopolysiloxane composition according to claim 4 wherein component (B) is a trimethylsiloxy-terminated metnylhydrogenpolysiloxane and component (E) is a chloroplatinic acid/divinyltetramethyldisiloxane complex.

6. An organopolysiloxane composition according to claim 5 wherein component (A) is a triorganosiloxy-terminated organopolysiloxane gum.

7. An organopolysiloxane composition according to claim 5 wherein component (A) is a silanol-terminated organopolysiloxane gum.

8. An organopolysiloxane composition according to claim 5 wherein component (C) is a triorganosiloxy-terminated organopolysiloxane.

9. An organopolysiloxane composition according to claim 5 wherein component (C) is a silanol-terminated organopolysiloxane.

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